



Missouri
Department of
Natural Resources

Power Plant: Rush Island

Plant Owner: Ameren Missouri - UE

Power generated in 2007 from non-renewable and renewable sources

	Power Generated in 2007 (MWh)	Percent of Total	
Non-renewable sources			
Coal-fired power	7,010,905.03	99.9%	
Natural gas-fired power		0.0%	
Oil-fired power	5,738.97	0.1%	
Nuclear power		0.0%	
Other non-renewable power		0.0%	
Non-renewable total	7,016,644.00	100.0%	100.0%
Renewable sources			
Hydroelectric Power			
Wind			
Waste and biomass			
Solar			
Geothermal			
Renewable total	0.00	0.0%	0.0%
Grand total all sources	7,016,644.00		100.0%

Emissions of criteria pollutants, CO₂, CH₄ and Mercury: 2007

	Total Emitted (Tons)	Output-based rate (lbs per MWh)	Input-based rate (lbs per mmBTU)
Oxides of Nitrogen (NO_x) - Annual	3,286.24	0.94	0.10
Oxides of Nitrogen (NO_x) - May 1 to Sept 30	1,393.81	0.86	0.09
Sulphur dioxide (SO₂)	22,461.69	6.40	0.65
Carbon dioxide (CO₂)	7,057,639.82	2,011.69	205.20
Methane (CH₄)	80.14	22.84	---
Mercury (HG₃)	N/A	N/A	N/A

Toxic Releases

Hazardous Air Pollutants	133.33
Toxic Releases - Land	405.63
Toxic Releases - Water	0.01

Data Sources

Data for hazardous air pollutants and toxic releases is taken from the U. S. Environmental Protection Agency (EPA) Toxic Release Inventory (TRI). For more information see:

<http://www.epa.gov.tri/>

Data for other emissions and generation is taken from EPA Office of Atmospheric Programs, eGRID (Emissions and Generation Resource Integrated Database) database, 2010. For more information see: <http://cfpub.epa.gov/egridweb/>

Note: The data provided includes only generation and emissions from power plants owned by the utility. It does not include generation or emissions from power purchased by the utility and distributed to its customers.



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Definitions

MWh	Megawatthours (1000 kilowatthours)
mmBTU	Million British Thermal Units